Title (en)

HOST ETHERNET ADAPTER FOR NETWORKING OFFLOAD IN SERVER ENVIRONMENT

Title (de)

HOST-ETHERNET-ADAPTER ZUR ÜBERLAST-VERNETZUNG IN EINER SERVERUMGEBUNG

Title (fr)

ADAPTATEUR ETHERNET HOTE POUR DELESTAGE RESEAU DANS UN ENVIRONNEMENT SERVEUR

Publication

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Application

EP 06708771 A 20060315

Priority

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- US 9760805 A 20050401

Abstract (en)

[origin: WO2006103169A1] An Ethernet adapter is disclosed. The Ethernet adapter comprises a plurality of layers for allowing the adapter to receive and transmit packets from and to a processor. The plurality of layers include a demultiplexing mechanism to allow for partitioning of the processor. A Host Ethernet Adapter (HEA) is an integrated Ethernet adapter providing a new approach to Ethernet and TCP acceleration. A set of TCP/IP acceleration features have been introduced in a toolkit approach: Servers TCP/IP stacks use these accelerators when and as required. The interface between the server and the network interface controller has been streamlined by bypassing the PCI bus. The HEA supports network virtualization. The HEA can be shared by multiple OSs providing the essential isolation and protection without affecting its performance.

IPC 8 full level

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CPC (source: EP US)

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